Index

Acrocephalus schoenobaenus, 24, 109
Acrocephalus scirpaceus, 24
Actitus hypoleucos, 214
Alca torda, 168
Alcedo atthis, 6, 24
Amat, J.A. Information on the diet of the Stone Curlew on Doñana, Spain, 71; Some aspects of the foraging ecology of a wintering Greylag Goose population, 74
Anas crecca, 18
Anas platyrhynchos, 18, 24
Anderson, D. See Petty & Anderson
Andresen, K. & Thomas, L. Moult of Glaucous Gull and Iceland Gull in Disko, Greenland, 49
Anser anser, 74
Ardea cinerea, 98
Arjona, S. See Santos, Cuadrado & Arjona
Asio flammeus, 12

Bacon, P.J. & Coleman, A.E. Analysis of weight changes in the Mute Swan, 145
Behaviour: cuckoos and their host species, 1; Short-eared Owls on heather moor, 12; feeding methods of curlews and godwits compared, 61; Greylag Geese in SW Spain, 74; refuse tip feeding by Herring Gulls, 87; nest attendance by Grey Herons, 98; colony attendance by Guillemots and Razorbill, 168; activity of breeding Common Sandpipers, 214
Bill morphology: curlews and godwits compared, 61, 70
Blackcap: wintering in olive plantations, 81
Booth, C.J. See Marquiss & Booth
Botulism: in gulls feeding on refuse tips, 91
Bowman, N. See Roberts & Bowman
Branta bernicla bernicla, 105
Breeding: cuckoos and their host species, 1; Short-eared Owls on heather moors, 12; Teal in Dyfed, 18; effects of flood alleviation works, 24; Herring Gull colonies, 46; nest attendance by Grey Herons, 98; success of Brent Geese in relation to lemming cycles, 105; Shetland Ravens, 110; colony attendance by Guillemots and Razorbills, 168; Hen Harriers in restocked forest sites, 177; Ravens in N Wales, 179; effects of poisoning on a colony of Jackdaws, 196; decline of the Corncrake on Canna, 201; analysis of activity of Common Sandpipers, 214
BTO Enquiry: Mute Swan census 1983, 121
Brown, V.K. See Southwood, Brown, Reader & Green
Bulweria bulwerii, 117
Bunting, Reed: effects of flood alleviation work, 24
Burhinus oedicnemus, 71
Burton, P.J.K. Curlews' bills: some anatomical notes, 70
Butterfield, J. See Coulson & Butterfield

Calidris alba, 61, 105
Calidris alpina, 61
Calidris ferruginea, 61, 105
Calidris maritima, 61
Census: Mute Swan in Britain 1983, 121; Ravens in N Wales, 179; decline of the Corncrake on Canna, 201

Chesney, M.C. Effects of poisoning by alpha-chloralose on the breeding success of a colony of Jackdaws in Perthshire, 196
Cinclus cinclus, 36, 45, 138
Circus cyaneus, 177
Coleman, A.E. See Bacon & Coleman
Colony attendance: Herring Gulls, 55; Grey Heron, 98; Guillemots and Razorbills, 168
Corncrake: decline in numbers on Canna, 201
Corvus corax, 110, 179, 190
Corvus monedula, 196
Coulson, J.C. & Butterfield, J. Studies on a colony of colour-ringed Herring Gulls: I. Adult survival rates, 51; II. Colony occupation and feeding outside the breeding season, 55
Crex crex, 201
Cuadrado, M. See Santos, Cuadrado & Arjona
Cuckoo: host species, 1
Cuculus canorus, 1
Curlew: bill shape discussed, 61, 70
Curlew, Stone: diet in SW Spain, 71
Cygnus olor, 121, 145

Dare, P.J. Raven populations in two upland regions of N Wales, 179
Davidson, N.C., Townshend, D.J., Pienkowski, M.W. & Speakman, J.R. Why do curlews have decurved bills? 61
Diet: fish diet of young Kingfishers, 6; Short-eared Owls on heather moor, 12; Dippers in the River Wye, 36; Herring Gulls outside the breeding season, 55; comparison of foraging behaviour in curlews and godwits, 61; Stone Curlews in SW Spain, 71; wintering Greylag Geese in SW Spain, 74; wintering Blackcaps in Spanish olive orchards, 81; refuse tip feeding by gulls, 87, 91; Shetland Ravens, 110; moulting Dippers, 138; Starlings in winter, 164; Ravens in Orkney, 190
Dipper: winter diet, 36; erratum to Tyler & Ormerod (1985), 45; diet during moult, 138
Draulans, D. See Vessem & Draulans
Dunlin: bill shape, 61
Dymond, J.N. See Ewins, Dymond & Marquiss

Ecology: Short-eared Owls on heather moor, 12; breeding Teal in Dyfed, 18; effects of flood alleviation works on bird population, 24; wintering Greylag Geese in SW Spain, 74; birds and plant succession, 159; decline of Corncrake on Canna, 201
Elanus caeruleus, 140
Emberiza schoeniclus, 24
Erithacus rubecula, 223
Erratum, 45
Ewins, P.J., Dymond, J.N. & Marquiss, M. Distribution, breeding and diet of Ravens in Shetland, 110

Feare, C.J. & McGinnity, N. Relative importance of invertebrates and barley in the diet of Starlings, 164
Fox, A.D. Breeding Teal of a coastal raised mire in central W Wales, 18
Gallinago gallinago, 24
Gallinula chloropus, 24
Godwit, Bar-tailed: bill shape, 61
Godwit, Black-tailed: foraging adaptations, 61
Godwit, Hudsonian: foraging methods, 61
Godwit, Marbled: foraging methods, 61
Goose, Dark-bellied Brent: breeding production and lemming cycles, 105

Goose, Greylag: winter feeding ecology, 74
Graves, J., Whiten, A. & Henzi, P. Reproductive success and the location of the nest site in the territory of the Herring Gull, 46
Grebe, Little: effects of flood alleviation works, 24
Green, E.E. See Southwood, Brown, Reader & Green
Guillemots: colony attendance, 168
Gull, Glaucous: moult study, 49
Gull, Great Black-backed: moult, 49; feeding at refuse tip, 87; breeding populations of SW Wales, 91
Gull, Herring: location of nest site, 46; adult survival rates, 51; colony occupation and feeding in winter, 55; feeding at refuse tip, 87; breeding populations of SW Wales, 91
Gull, Iceland: moult study, 49
Gull, Lesser Black-backed: adult survival rates, 51; feeding at refuse tip, 87; breeding populations of SW Wales, 91

Habitat: Short-eared Owls on heather moor, 12; breeding Teal in Dyfed, 18; effects of flood alleviation works on breeding population, 24; influence on Sedge Warbler pairing, 109; birds and plant succession, 159; Hen Harriers in restocked forest sites, 177; Ravens in N Wales upland regions, 179; Common Sandpiper, 214
Hansell, M.H. See Monaghan, Metcalfe & Hansell
Harper, D. Communal roosting by Robins, 223
Harrier, Hen: breeding in upland forests, 177
Harris, M.P. See Wanless & Harris
Henzi, P. See Graves, Whiten & Henzi
Heron, Grey: frequency of nest attendance, 98

Jackdaw: effects of poisoning by alpha-chloralose, 196
James, P.C. Filoplumes of the Manx Shearwater, 117

Kingfisher: diet of young, 6; effects of flood alleviation works, 24
Kite, Blackshouldered: ordering of moult, 140

Larus argentatus, 46, 51, 55, 87, 91
Larus fuscus, 51, 87, 91
Larus glaucoides, 49
Larus hyperboreus, 49
Larus marinus, 49, 87, 91
Lead poisoning: effects on Mute Swan, 121, 145
Limosa fedoa, 61
Limosa haemastica, 61
Limosa lapponica, 61
Limosa limosa, 61

McGinnity, N. See Feare & McGinnity
Mallard: breeding in Dyfed, 18; effects of flood alleviation works, 24
Marquiss, M. & Booth, C.J. Diet of Ravens in Orkney, 190; See also Ewins, Dymond & Marquiss
Matthysen, E. Post-nuptial moult in a Belgian population of Nuthatches, 206
Metcalfe, N.B. See Monaghan, Metcalfe & Hansell
Methodology: assessing young Kingfisher diet, 6; Dipper faecal analysis, 36; Greylag Goose feeding ecology, 74; the ordering of moult, 140; analysis of Mute Swan weights, 145; experiments on diet of Starlings, 164; pellet analysis of Ravens in Orkney, 190
Monaghan, P., Metcalfe, N.B. & Hansell, M.H. Influence of food availability and competition on the use of feeding site by Herring Gulls, 87
Moorhen: effects of flood alleviation work, 24

Mortality: Herring Gull survival, 51; of Corncrakes during migration, 201
Motacilla alba, 24
Motacilla flava, 24
Moult: Glaucous Gull and Iceland Gull, 49; diet of moulting dippers, 138; ordering of moult, 140; effects of moult on Mute Swan weights, 145; post-nuptial moult of Nuthatches, 206

Numenius arquata, 61, 70
Nuthatch: post-nuptial moult, 206

Ogilvie, M.A. Mute Swan in Britain 1983, 121
Ormerod, S.J. & Tyler, S.J. Diet of Dippers wintering in the catchment of the River Wye, Wales, 36; erratum to Tyler & Ormerod (1985), 45; See also Smith & Ormerod
Owl, Short-eared: breeding on a Welsh heather moor, 12
Parasitism: caused by Cuckoos on host species, 1
Pellet analysis: Short-eared Owls, 12; Dippers, 36; Shetland Ravens, 110; Ravens in Orkney, 190
Petrel, Bulwer's: filoplume feathers, 117
Petrel, Grey-faced: filoplume feathers, 117
Petty, S.J. & Anderson, D. Breeding by Hen Harriers on restocked sites in upland forests, 177
Pienkowski, M.W. See Davidson, Townshend, Pienkowski & Speakman
Plumage: filoplume feathers of the Manx Shearwater, 117
Poisoning: botulism in Gulls feeding on refuse tips, 91; lead poisoning in Mute Swans, 121, 145; of Jackdaws by alpha-chloralose, 196
Population studies: effects of flood alleviation works on breeding birds, 24; survival rates of Herring Gulls, 51; Blackcaps in Spanish olive orchards, 81; gulls in SW Wales, 91; Shetland Ravens, 110; Mute Swan in Britain 1983, 121; Ravens in N Wales upland regions, 179; decline of the Corncrake on Canna, 201
Pterodroma macroptera, 117
Puffinus puffinus, 117

Raven, P. Size of minnow prey in the diet of young Kingfishers, 6; Changes in the breeding bird population of a small clay river following flood alleviation works, 24
Raven: in Shetland, 110; in N Wales, 179; in Orkney, 190
Razorbill: colony attendance, 168
Reader, P.M. See Southwood, Brown, Reader & Green
Redshank: effects of flood alleviation works, 24; foraging methods, 61
Reviews, 60, 144, 227
Riddiford, N. Why do Cuckoos use so many species of hosts? 1
Ringing: Herring Gull survival rates, 51, 55; Corncrakes on Canna, 201
Roberts, J.L. & Bowman, N. Diet and ecology of Short-eared Owls breeding on heather moor, 12
Robin: communal roosts, 223
Roosting: Robins, 223

Sanderling: bill shape, 61; migration, 105
Sandpiper, Common: habitat and activity during breeding season, 214
Sandpiper, Curlew: bill shape, 61; migration, 105
Sandpiper, Purple: bill shape, 61
Santos, M.R. de los, Cuadrado, M. & Arjona, S. Variation in the abundance of Blackcaps wintering in an olive orchard in southern Spain, 81
Shearwater, Manx: filoplume feathers, 117
Shennan, N.M. Habitat and its influence on pairing in the Sedge Warbler, 109
Site fidelity: in the Herring Gull, 46; Corncrakes on Canna, 201
Sitta europaea, 206
Smith, R.P. & Ormerod, S.J. Diet of moulting Dippers in the catchment of the Welsh River Wye, 138

Snipe: effects of flood alleviation works, 24
Southwood, T.R.E., Brown, V.K., Reader, P.M. & Green, E.E. Use of different stages of a secondary succession by birds, 159
Speakman, J.R. See Davidson, Townshend, Pienkowski & Speakman
Starling: diet, 164
Sturnus vulgaris, 164
Summers, R.W. Breeding production of Dark-bellied Brent Geese in relation to lemming cycles, 105
Survival rates: adult Herring Gulls, 51
Sutcliffe, S.J. Changes in the gull populations of SW Wales, 91
Swan, Mute: national census of 1983, 121; analysis of weight changes, 145
Swann, R.L. Recent decline of the Corncrake on the Isle of Canna, 201
Sylvia atricapilla, 81

Tachybaptus ruficollis, 24
Teal: breeding in a raised mire in Dyfed, 18
Territory: behaviour of breeding Cuckoos, 1; effects of flood alleviation works on breeding bird population, 24; Herring Gull breeding colonies, 46; Ravens in Shetland, 110; Ravens in N Wales, 179; Common Sandpiper habitat, 214
Thomas, L. See Andressen & Thomas
Townshend, D.J. See Davidson, Pienkowski & Speakman
Tringa totanus, 24, 61
Tyler, S.J. See Ormerod & Tyler

Underhill, L.G. Graphical method to determine the ordering of moult, illustrated with data from the Blackshouldered Kite, 140
Uria aalge, 168

Vessem, J. van & Draulans, D. Factors affecting the length of the breeding cycle and the frequency of nest attendance by Grey Herons, 98

Wader studies: bill morphology in curlews and godwits, 61; Common Sandpiper habitat, 214
Wagtail, Pied: effects of flood alleviation works, 24
Wagtail, Yellow: effects of flood alleviation works, 24
Wanless, S. & Harris, M.P. Time spent at the colony by male and female Guillemots and Razorbills, 168
Warbler, Reed: effects of flood alleviation works, 24
Warbler, Sedge: effects of flood alleviation works, 24; influence of habitat on pairing, 109
Waterway birds: Kingfisher, 6; birds and flood alleviation works, 24; diet of Dippers, 36; Mute Swan census, 121; Common Sandpiper habitat, 214
Weight: analysis of Mute Swan weights, 145
Whiten, A. See Graves, Whiten & Henzi
Winter: Herring Gulls, 55; effects on Mute Swan weights, 145

Yalden, D.W. Habitat and activity of Common Sandpipers breeding by upland rivers, 214